

Attorney's Docket No. 740145-180

9/A 11-262
Adm

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of)

Takeshi MINOBE et al.)

Application No.: 09/761,831)

Filed: January 18, 2001)

For: CROSS-FLOW FAN FOR DISCHARGE)
EXCITED GAS LASER)

Group Art Unit: 2828

Examiner: G. Inzirillo

CERTIFICATE OF MAILING

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K.M. McManus
K.M. McManus

AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

The following is presented in response to the Office Action mailed July 3, 2002, in connection with the above-captioned patent application.

In the Specification:

Please amend paragraph numbers [0032]-[0034], [0038], [0043], & [0045] as follows:

A/ [0032] The inventors have conducted various experiments, the results of which revealed that the flow rate is not adversely affected under high-head, low-flow-rate use conditions if a rotating shaft of diameter d is mounted in a cross-flow fan such that $d/D \geq 0.07$ (d : diameter of rotating shaft, D : fan outer diameter).

R [0033] In addition, rotating shaft diameter d exceeding $d/D \geq 0.13$ would be desirable in the case of a cross-flow fan capable of high-speed rotation used in an excimer laser device in which the cyclic frequency of the laser pulse is high because of the relation with the axial strength.

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PTO/SB/21 (08-00)

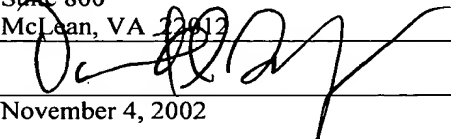
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TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Application Number	09/761,831
		Filing Date	January 18, 2001
		First Named Inventor	Takeshi MINOBE et al.
		Group Art Unit	2894
		Examiner Name	Unknown
Total Number of Pages in This Submission	27	Attorney Docket Number	740145-180

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input checked="" type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input checked="" type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 <input type="checkbox"/> Response to File Corrected Application Papers <input type="checkbox"/> Submission of Substitute Drawings 5 sheets (Figs. 1-9)	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input checked="" type="checkbox"/> Form PTO-1449 and copy of reference
Remarks		RECEIVED NOV 18 2002 TECHNOLOGY CENTER 2800

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	<u>David S. Safran, Reg. No. 27,997</u> Nixon Peabody LLP 8180 Greensboro Drive Suite 800 McLean, VA 22102
Signature	
Date	November 4, 2002

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Type or printed name	K.M. McManus	
Signature		Date <u>November 4, 2002</u>

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FEE TRANSMITTAL FOR FY 2002

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27

Complete if Known	
Application Number	09/761,831
Filing Date	01/18/2001
First Named Inventor	Takeshi MINOBE et al.
Examiner Name	G. Inzirillo
Group Art Unit	2828
Attorney Docket No.	740145-180

TOTAL AMOUNT OF PAYMENT (\$110.00)

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METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ Other ☐ None

☐ Deposit Account:
Deposit Account Number: 19-2380(740145-180)
Deposit Account Name: Nixon Peabody LLP

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) during the pendency of this application

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION (continued)					
3. ADDITIONAL FEES					
Large Entity		Small Entity			
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	
105	130	205	65	Surcharge – late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	110.00
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive – unavoidable	
141	1,280	241	640	Petition to revive – unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	Filing a submission after final rejection (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
Other fee (specify) _____					

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	
SUBTOTAL (1)					(\$ 0)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Extra Claims

Total Claims: 4 -20** = 0 X 18. = 0

Independent Claims: 1 -3** = 0 X 84. = 0

Multiple Dependent: 0 X 280. = 0

Fee from below

Fee Paid: 0

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description
103	18	2202	9	Claims in excess of 20
102	84	2201	42	Independent claims in excess of 3
104	280	2203	140	Multiple dependent claim, if not paid
109	84	2204	42	** Reissue independent claims over original patent
110	18	2205	9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$ 0)				

**or number previously paid, if greater; For Reissues, see above

*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$110.00)

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K.M. McManus
Name: K.M. McManus

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	David S. Safran	Registration No.	27,997
Signature	<i>David S. Safran</i>	(Attorney/Agent)	
		Telephone	703-770-9300
		Date	November 4, 2002